



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants: Woods, Virgil, L. Jr.  
Title: METHODS FOR  
CRYSTALLOGRAPHIC  
STRUCTURE DETERMINATION  
EMPLOYING HYDROGEN  
EXCHANGE ANALYSIS

Appl. No.: 10/688,193

Filing Date: 10/17/2003

Examiner: Noakes, Suzanne Marie

Art Unit: 1656

Conf. No. 6673

<p><b>CERTIFICATE OF MAILING</b> I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date below.</p> <p><u>Stephen E. Reiter</u> (Printed Name)</p> <p><u>Stephen E. Reiter</u> (Signature)</p> <p><u>4/11/07</u> (Date of Deposit)</p>
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**RESPONSE UNDER 37 CFR § 1.111 AND**

**AMENDMENT IN RESPONSE TO NOTICE UNDER 37 CFR §§1.821-825**

Mail Stop Non-Fee Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Responsive to the Office Action mailed October 12, 2006, please consider the following amendments and remarks.

**Amendments to the Specification** begin on page 2 of this paper.

**Amendments to the Claims** are included in the **Listing of Claims**, which begins on page 6 of this paper.

**Remarks** begin on page 15 of this paper.